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**Sent:** 3/10/2019 10:27:11 PM  
**To:** Rieth, Susan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=00aac63cc995489188b8a449aaa18f5e-Rieth, Susan]; Kraft, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4a94a4f199b247778abb02285a51b927-Kraft, Andrew]; Thayer, Kris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3ce4ae3f107749c6815f243260df98c3-Thayer, Kri]  
**CC:** Shams, Dahnish [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b7037e39bb6341c8850bcd61bf9d65a-Shams, Dahn]; Soto, Vicki [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a960b18ed5c440d69eb9db21b8565f97-Soto, Vicki]; Avery, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b0fc9e70467647709fa9377dfb987f10-Avery, James]; Ross, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=98359cd1f66f46ec91d327e99a3c6909-Ross, Mary]; Lavoie, Emma [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=86ac7844f12646c095e4e9093a941623-Lavoie, Emma]; Hawkins, Belinda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=075561d171e845828ec67a945663a8e6-Hawkins, Belinda]  
**Subject:** RE: Hearing Prep for Jennifer

I think we have a lot of this on other slide decks and fact sheets we produced.

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**From:** Rieth, Susan  
**Sent:** Sunday, March 10, 2019 6:05 PM  
**To:** Kraft, Andrew <Kraft.Andrew@epa.gov>; Thayer, Kris <thayer.kris@epa.gov>  
**Cc:** Shams, Dahnish <Shams.Dahnish@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Soto, Vicki <Soto.Vicki@epa.gov>; Avery, James <Avery.James@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Hawkins, Belinda <Hawkins.Belinda@epa.gov>  
**Subject:** Re: Hearing Prep for Jennifer

holy macaroni is a pretty good summary. Do we need to start work on some of the

# Deliberative Process / Ex. 5

Sue

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**From:** Kraft, Andrew

**Sent:** Sunday, March 10, 2019 1:30 PM

**To:** Thayer, Kris

**Cc:** Shams, Dahnish; Bahadori, Tina; Soto, Vicki; Avery, James; Ross, Mary; Lavoie, Emma; Hawkins, Belinda; Rieth, Susan

**Subject:** Re: Hearing Prep for Jennifer

Holy macaroni!

I can pull together FA stuff tomorrow, but that's a lot of ask.

On Mar 10, 2019, at 12:35 PM, Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)> wrote:

Thanks team for jumping on this....didn't mean to disrupt your weekend though!

Sent from my iPhone

On Mar 10, 2019, at 11:11 AM, Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)> wrote:

I've attached the PDF version of the NAS presentation to this email. I may also suggest previous Reports to Congress (2012, Feb 2015, Nov 2015) that go into the information Lou has request on the implementation of NAS recommendations, specifically the NAS FA Chapter 7 recommendations. They provide a good high level summary of previous NAS recommendations and the IRIS Program's response to those specific recommendations.

- Dahnish

<https://www.epa.gov/sites/production/files/2018-02/documents/nas020118final.pdf>  
<https://www.epa.gov/iris/iris-progress-reports>

Integrated Risk Information System (IRIS) Program  
National Center for Environmental Assessment  
Office of Research and Development, U.S. EPA  
O: (202) 564-2758

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**From:** "Bahadori, Tina" <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>

**Date:** Sunday, March 10, 2019 at 11:03 AM

**To:** "Thayer, Kris" <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>, "Shams, Dahnish" <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>, "Soto, Vicki" <[Soto.Vicki@epa.gov](mailto:Soto.Vicki@epa.gov)>

**Cc:** "Kraft, Andrew" <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>, "Avery, James" <[Avery.James@epa.gov](mailto:Avery.James@epa.gov)>, "Ross, Mary" <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>, "Lavoie, Emma" <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)>, "Hawkins, Belinda" <[Hawkins.Belinda@epa.gov](mailto:Hawkins.Belinda@epa.gov)>, Susan Rieth <[Rieth.Susan@epa.gov](mailto:Rieth.Susan@epa.gov)>

**Subject:** RE: Hearing Prep for Jennifer

One more thing...

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

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**From:** Thayer, Kris

**Sent:** Sunday, March 10, 2019 11:01 AM

**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Shams, Dahnish

<Shams.Dahnish@epa.gov>; Soto, Vicki <Soto.Vicki@epa.gov>

**Cc:** Kraft, Andrew <Kraft.Andrew@epa.gov>; Avery, James <Avery.James@epa.gov>

**Subject:** RE: Hearing Prep for Jennifer

Yes, I was thinking both. The NAS will have a lot of good content.

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**From:** Bahadori, Tina

**Sent:** Sunday, March 10, 2019 11:00 AM

**To:** Thayer, Kris <thayer.kris@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>;

Soto, Vicki <Soto.Vicki@epa.gov>

**Cc:** Kraft, Andrew <Kraft.Andrew@epa.gov>; Avery, James <Avery.James@epa.gov>

**Subject:** RE: Hearing Prep for Jennifer

Maybe both –

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

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**From:** Thayer, Kris

**Sent:** Sunday, March 10, 2019 10:58 AM

**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Shams, Dahnish

<Shams.Dahnish@epa.gov>; Soto, Vicki <Soto.Vicki@epa.gov>

**Cc:** Kraft, Andrew <Kraft.Andrew@epa.gov>; Avery, James <Avery.James@epa.gov>

**Subject:** RE: Hearing Prep for Jennifer

Yes!

I'm also wondering about the deck we prepared for Byron back in the day (which is probably largely duplicative of the NAS slide set)

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**From:** Bahadori, Tina

**Sent:** Sunday, March 10, 2019 10:55 AM

**To:** Shams, Dahnish <Shams.Dahnish@epa.gov>; Soto, Vicki <Soto.Vicki@epa.gov>

**Cc:** Thayer, Kris <thayer.kris@epa.gov>; Kraft, Andrew <Kraft.Andrew@epa.gov>; Avery, James <Avery.James@epa.gov>

**Subject:** RE: Hearing Prep for Jennifer

One more thought....the slide deck we put together for the opening of the NAS meeting last year....answered a lot of these 'how has IRIS improved' questions. No?

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**From:** Shams, Dahnish

**Sent:** Saturday, March 9, 2019 7:57 PM

**To:** Soto, Vicki <Soto.Vicki@epa.gov>

**Cc:** Thayer, Kris <thayer.kris@epa.gov>; Kraft, Andrew <Kraft.Andrew@epa.gov>; Avery,

James <Avery.James@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>

**Subject:** Re: Hearing Prep for Jennifer

We should be able to pull this together. Is there a deadline?

- Dahnish

On Mar 9, 2019, at 6:39 PM, Soto, Vicki <Soto.Vicki@epa.gov> wrote:

Wow

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**From:** Thayer, Kris

**Sent:** Saturday, March 09, 2019 6:28 PM

**To:** Kraft, Andrew <Kraft.Andrew@epa.gov>; Soto, Vicki <Soto.Vicki@epa.gov>; Avery, James <Avery.James@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>

**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>

**Subject:** Fwd: Hearing Prep for Jennifer

Here's a heads up of the content we need to focus on to help with hearing prep

Sent from my iPhone

Begin forwarded message:

**From:** "D'Amico, Louis" <DAmico.Louis@epa.gov>

**Date:** March 9, 2019 at 6:18:39 PM EST

**To:** "Bahadori, Tina" <Bahadori.Tina@epa.gov>, "Thayer, Kris" <thayer.kris@epa.gov>

**Cc:** "Orme-Zavaleta, Jennifer" <Orme-Zavaleta.Jennifer@epa.gov>, "Blackburn, Elizabeth" <Blackburn.Elizabeth@epa.gov>, "Linkins, Samantha" <Linkins.Samantha@epa.gov>, "Christian, Megan" <Christian.Megan@epa.gov>

**Subject:** Hearing Prep for Jennifer

Hi Tina and Kris,

In advance of the hearing on the 27<sup>th</sup>, we need to pull together some background materials to prep Jennifer. What we know so far is that the hearing focus will be to discuss the findings of these GAO reports and how the IRIS program has implemented recommendations from both the GAO and the National Academies of Sciences. We may get more information early next week, but given the timing, could we start pulling together material on the following topics?

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## **Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

I think that's it for now. I'm sure there we can follow up next week. Let me know if you have any questions, and THANK YOU! I know this is a lot to pull together. I'll help anyway I can.

-Lou

Louis D'Amico, Ph.D.  
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DC 20460

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[damico.louis@epa.gov](mailto:damico.louis@epa.gov)